

## PROJECT: 23-1020 REST, ALPOWA INSTREAM PALS – PHASE IV

Sponsor: Pomeroy Conservation District Program: Salmon State Projects Status: Application Submitted

## Parties to the Agreement

## PRIMARY SPONSOR

Pomeroy Conservation District

Address PO Box 468

City Pomeroy State WA Zip 99347

Org Type District-Conservation

Vendor # SWV0014859-00

UBI

Date Org created

Org Notes

[link to Organization profile](#)☐ Org data updated

## SECONDARY SPONSORS

No records to display

## MANAGING AGENCY

Recreation and Conservation Office

## LEAD ENTITY

Snake River Salmon Rec Bd LE

## QUESTIONS

#1: List project partners and their role and contribution to the project.

Palouse CD and Brad Johnson will help implement this project working with the landowner and the USFS to get donated trees from the Umatilla Forest outside of Pomeroy

## External Systems

## SPONSOR ASSIGNED INFO

Sponsor-Assigned Project Number

Sponsor-Assigned Regions

## EXTERNAL SYSTEM REFERENCE

Source	Project Number	Submitter
HWS	23-1020	AFitzgerald

## Project Application Report - 23-1020

### Project Contacts

Contact Name Primary Org	Project Role	Work Phone	Work Email
<u>Kendall Barrameda</u> Rec. and Conserv. Office	Project Manager	(360) 764-9086	<a href="mailto:Kendall.Barrameda@rco.wa.gov">Kendall.Barrameda@rco.wa.gov</a>
<u>Lance Frederick</u> Pomeroy Conservation Dist	Project Contact	(509) 843-5008	<a href="mailto:lancepcdistrict@gmail.com">lancepcdistrict@gmail.com</a>
<u>Bradley Johnson</u> Palouse Conservation District	Alt Project Contact	(509) 332-4101 Ext 106	<a href="mailto:Bradleyj@palousecd.org">Bradleyj@palousecd.org</a>
<u>Ali Fitzgerald</u> Snake River Salmon Rec Bd LE	Lead Entity Contact	(509) 382-4115	<a href="mailto:ali@snakeriverboard.org">ali@snakeriverboard.org</a>

### Worksites & Properties

#### # Worksite Name

#1 Alpowa Instream PALS - Phase IV

Restoration	Property Name
✓	Dick Ledgerwood and Sons

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## Worksite Map & Description

### Worksite #1: Alpowa Instream PALS - Phase IV

#### WORKSITE ADDRESS

Street Address

City, State, Zip

## Worksite Details

### Worksite #1: Alpowa Instream PALS - Phase IV

#### SITE ACCESS DIRECTIONS

From Clarkston, WA take HWY 12 west to Alpowa Creek Road. Turn up Alpowa Creek Road and the project site will be on left 1/2 mile from HWY 12

#### TARGETED ESU SPECIES

Species by ESU	Egg Present	Juvenile Present	Adult Present	Population Trend
Steelhead-Snake River, Asotin Creek, Threatened	✓	✓	✓	Stable

#### Reference or source used

WDFW operates an adult trap at the mouth of Alpowa Creek. Hatchery steelhead are removed at the trap and only wild steelhead are allowed upstream. Adult numbers on Alpowa Creek have been robust in good ocean years ~300 adults and in recent years percentages are similar to Asotin Creek with a reduction in adults returning.

#### TARGETED NON-ESU SPECIES

Species by Non-ESU	Notes
Rainbow	It has not been documented, but resident redband trout have been observed in upper Alpowa Creek. Not much is known but the presumed presence of redband trout in Alpowa Creek

#### Questions

#1: Give street address or road name and mile post for this worksite if available.

1/2 mile up Alpowa Creek Road from HWY 12 on mainstem Alpowa Creek

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## Project Location

### RELATED PROJECTS

#### Projects in PRISM

PRISM Number	Project Name	Program Name	Current Status	Relationship Type	Notes
13-1399 R	Alpowa Instream Post Assisted Log Structures	Salmon Federal Projects	Closed Completed	Earlier Phase	Completed PALS project
17-1299 R	Alpowa Creek Instream PALS – Phase II	Salmon State Projects	Closed Completed	Earlier Phase	Completed PALS project
20-1045 R	Alpowa PALS Phase III Restoration	Salmon Federal Projects	Active	Earlier Phase	Project that will be completed the fall of 2023

#### Related Project Notes

The previous RCO PALS Projects and two Ecology Flow and Implementation Grants resulted in ~1,200 PALS being installed to date in Alpowa Creek

#### Questions

#1: Project location. Describe the geographic location, water bodies, and the location of the project in the watershed, i.e. nearshore, tributary, main-stem, off-channel, etc.

Alpowa Creek mainstem about 5 miles from the mouth, Alpowa Creek is a tributary to the Snake River west of Clarkston, WA.

#2: How does this project fit within your regional recovery plan and/or local lead entity's strategy to restore or protect salmonid habitat? Cite section and page number.

Snake River Salmon Recovery Plan (2011). Snake River Salmon Recovery Plan for SE Washington. Dayton, WA.  
Snake River Salmon Recovery Board (2017). Snake River Salmon Recovery Region Provisional 3-5 Year Work Plan. Dayton, WA.  
Priority 1 Project as identified in the Snake River Salmon Recovery Regions Provisional 3-5 Year Work Plan (2022 Version, pg. 13 & 18).  
All these plans list Alpowa Creek as being limited in available pool habitat and lacking in wood. This project will add wood in the form of PALS to increase habitat complexity, structure, and pools. PALS will provide complexity and refugia for adult and juvenile steelhead.

#3: Is this project part of a larger overall project?

Yes

#3a: How does this project fit into the sequencing of the larger project?

11-1576 P Alpowa Creek Habitat Assessment - 15-mile instream habitat assessment on Alpowa Creek that identified priority instream areas to improve wood and pools for wild juvenile and adult summer steelhead, which make up the Asotin Creek steelhead population. This is a priority 1 area for habitat improvements and large MSA for Asotin Creek summer steelhead in Alpowa Creek.

#4: Is the project on State Owned Aquatic Lands? Please contact the Washington State Department of Natural Resources to make a determination. [Aquatic Districts and Managers](#)

No

## Property Details

Property: Dick Ledgerwood and Sons (Worksite #1: Alpowa Instream PALS - Phase IV)

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✓ Restoration

## LANDOWNER

Name Dick Ledgerwood and Sons  
Address 141 Howell Grade Rd  
City Clarkston  
State WA Zip 99403  
Type Private

## CONTROL & TENURE

Instrument Type Landowner Agreement  
Timing Proposed  
Term Length Fixed # of years  
# Yrs 10  
Expiration Date 01/31/2033  
Note

## Project Proposal

### Project Description

The Pomeroy Conservation District will be working with a Alpowa Creek landowner to increase instream habitat complexity. We will be increasing instream woody debris and pool habitat and this complements previously completed Alpowa PALS Phase III RCO 20-1045, Alpowa Creek Instream PALS Phase II RCO 17-1299, Alpowa Creek Instream PALS RCO 13-1399 and Alpowa Creek Habitat Assessment - RCO 11-1576. The same partners will be working on this proposed project as in the past.

This Alpowa Creek Phase IV Pals project will benefit the Asotin Creek population of A-run summer steelhead will benefit from increased woody structures and pool available habitat. This project will expand on RCO 20-1045, increasing woody debris habitat and instream pool habitat with 100 PALS installed.

### Project Questions

#1: Problem statement. What are the problems your project seeks to address? Include the source and scale of each problem. Describe the site, reach, and watershed conditions. Describe how those conditions impact salmon populations. Include current and historic factors important to understand the problems.

SRFB Project 11-1576 Alpowa Habitat Assessment identified lack of sufficient wood and pool habitat for wild steelhead in Alpowa Creek. 14.9 miles of Alpowa Creek was surveyed and 2.8 pools/100 m and 7.5 pieces of LWD/100 m were identified. Both figures are very low and there is little potential for future LWD recruitment with white alder and cottonwood trees being the dominate riparian trees. Lack of instream habitat limits availability of suitable resting pools and clean, sorted gravels for holding and spawning adult steelhead and juveniles that rear in this reach. Structure is needed to help create and further develop deep pools in this reach. PALS will add immediate wood and pools. This proposal supports previously funded RCO habitat assessment completed on Alpowa Creek.

#2: Describe the limiting factors, and/or ecological concerns, and limiting life stages (by fish species) that your project expects to address.

Lack of large wood and adequate pools for both juvenile and adult steelhead were identified with project 11-1576. Alpowa Creek supports a wild steelhead population and helps make up the Asotin Creek wild steelhead population. Limiting factors on Alpowa Creek are lack of suitable resting and rearing pools, large wood and floodplain connection (this proposal addressed pool habitat) . Alpowa Creeks Nez Perce Name is "spring creek" and has a uniform flow due to it low elevation and arid environment. PALS are a very cost effective way to increase pools and wood for all freshwater lifestages of ESA listed wild summer steelhead.

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#3: What are the project goals? The goal of the project should be to solve identified problems by addressing the root causes. Then clearly state the desired future condition. Include which species and life stages will benefit from the outcome, and the time of year the benefits will be realized. [Example Goals and Objectives](#)

The goals of this project are to increase pool habitat from the current 2.8 pools per 100 meters to over 8 suitable pools per 100 meters with 100 PALS installed on .65 miles of Alpowa Creek. These 100 PALS will increase both large wood and pool habitat for juvenile and adult ESA listed wild summer steelhead. The sorting of gravels with the associated structures will allow for better spawning habitat and then when fry emerge there will be cover both from the pools and wood for them during their early freshwater lifestages.

#4: What are the project objectives? Objectives support and refine biological goals, breaking them down into smaller steps. Objectives are specific, quantifiable actions the project will complete to achieve the stated goal. Each objective should be SMART (Specific, Measurable, Achievable, Relevant, and Time-bound). [Example Goals and Objectives](#)

Project objective is to install 100 PALS in .65 mile of Alpowa Creek within 3 years of funding to create at least 50 pools, and provide 100 LWD PALS structures for all freshwater lifestages of ESA listed wild summer steelhead. Each structure will have 3-4 conifer logs that are at least 15 feet in length with branches. The logs will be hand placed into Alpowa Creek and 3 inch diameter wooden posts will be driven into the substrate to anchor the logs (4 - 6 wooded posts for each structure) in desired locations to help in forming backwater or downstream pool habitat for ESA listed wild summer steelhead.

#5: Scope of work and deliverables. Provide a detailed description of each project task/element. With each task/element, identify who will be responsible for each, what the deliverables will be, and the schedule for completion.

Summer of 2024 - Permits will begin in Feb 2024 for both years and starting in Mid May and finishing by September, will depend on weather and fire season in the Umatilla forest but on average year we get trees moved in May/June and begin installation after July 15th, which is the instream work window.  
Task 1.) Cultural Resource Survey and instream permits from County and WDFW - Brad Johnson  
Task 2.) Conifer trees from USFS to project sites - Brad Johnson w/restoration crew  
Task 3.) Locate Project Sites & put trees & posts on streambank - Brad Johnson/restoration crew  
Task 4.) During instream work window install PALS - Brad Johnson/restoration crew  
The same will occur during the summer of 2025.  
Each on of the above listed tasks will lead to getting the PALS placed into Alpowa Creek and will ultimately lead to increasing both pool and wood debris for all freshwater lifestages of wild ESA listed summer steelhead.

#6: What are the assumptions and physical constraints that could impact whether you achieve your objectives? Assumptions and constraints are external conditions that are not under the direct control of the project, but directly impact the outcome of the project. These may include ecological and geomorphic factors, land use constraints, public acceptance of the project, delays, or other factors. How will you address these issues if they arise?

PALS have no physical constraints or assumptions either on the Asotin Creek IMW or previously installed PALS on Alpowa Creek. Since these are all hand place they are small in structure but by putting in large numbers we are slowing the streamflow and building up sediment while increasing instream wood and pool habitat for wild steelhead in Alpowa Creek.

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#7: How have lessons learned from completed projects or monitoring studies informed this project?

The Asotin Creek IMW has been used as the catalyst for PALS projects on Alpowa Creek. Previous PALS projects on Alpowa Creek have been accepted by local landowners and the February 2020 flood on Alpowa Creek showed us that when structures have been in for a few years they fair very well, but recently installed structures had some movement, but didn't cause any riparian or instream damage, they just moved downstream and formed log jams. We continue to work with the IMW crew to ensure we are installing PALS properly and benefits are documented on a yearly basis. This is the fourth phase of PALS on Alpowa Creek and Phase II had conditions placed on the short and long term wood recruitment. We are finding that in this spring fed system in an arid environment it is hard to get over bank flows and establish suitable vegetation for long-term wood recruitment to the stream. PALS provide immediate pools and wood to the channel, but floodplain connection occurs when there are spring freshets with higher flows. In February of 2020 we had one of those events and the previous high flow occurred in the 70's. PALS also provide the sorting of fine sediment and gravels, backing up of water for potential floodplain connection and groundwater recharge, and while this is a desired outcome of this project, it is not being identified as a primary project goal due to the limitations of the stream flows and infrequent opportunity for floodplain connection with low flows.

#8: Describe the alternatives considered and why the preferred was chosen.

In the past large equipment was used to increase wood and pools on other streams within SE WA. Since the Asotin Creek IMW resulted in Post Assisted Log Structures being recommended for implementation we have used these techniques to improve instream habitat with logs donated from the USFS to increase wood and pool habitat. Implementation of PALS leaves virtually no footprint and are easy to install and very low costs.

#9: How were stakeholders consulted in the development of this project? Identify the stakeholders, their concerns or feedback, and how those concerns were addressed.

This project will work closely with WDFW and USFS in getting both material and equipment to complete the project. There have been no concerns or feedback to date on previous projects or this current application.

#10: Does your project address or accommodate the anticipated effects of climate change?

No

#11: Describe the sponsor's experience managing this type of project. Describe other projects where the sponsor has successfully used a similar approach.

Project sponsor has successfully installed over 1,200 PALS with both SRFB and Ecology funding on Alpowa Creek. Alpowa Creek experience a flood event on February 7/8 of 2020 and structures functioned as designed. There were some structures that moved downstream, but stayed with landowners properties and formed large wood debris that slowed the water and filtered sediment and ultimately creating pool habitat for steelhead.

#12: Will veterans (including the veterans conservation corps) be involved in the project? If yes, please describe.

Yes

Possibly, the Palouse Conservation District currently has a Veteran's Conservation Corps program and we will use them on this project.

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## Restoration Supplemental

#1: What level of design (per Appendix D) have you completed? Please attach.

Conceptual

#1a: What level of design will be produced prior to construction?

Preliminary /  
Field Fit

#1aa: If you are proposing to follow the field fit guidance in [Appendix D](#) then describe your proposed design process and deliverables to be completed prior to construction. Refer to the project deliverables table from Appendix D in your description.

PALS Schematics developed for Low-Tech Process-Based Restoration will be followed and we will be identifying the type of PALS to be used and their orientation within the stream channel.

#2: Will (or did) a licensed professional engineer design the project?

No

#2a: Describe the qualifications of the design team.

Working with Asotin Creek IMW crew on previous projects we have installed over 1,200 PALS on Alpowa Creek, these are hand place and we ensure that we don't place them in spawning areas and try to use structures to add pool habitat and wood in Alpowa Creek. This is Phase IV and previous phases were implemented by the same team

#3: Does the project include measures to stabilize an eroding stream bank?

No

#4: Is the primary activity of the project invasive species removal?

No

#5: Is the primary activity of the project riparian planting?

No

#6: Describe the steps you will take to minimize the introduction of invasive species during construction and restoration. Consider how you will use un-infested materials and clean equipment entering and leaving the project area.

The donated wood comes from weed-free areas within the Umatilla Forest Service, Pomeroy Ranger District. We have equipment and crews clean their waders and clothes to ensure that we are not introducing invasive species.

#7: Describe the long-term stewardship and maintenance obligations for the project.

The landowner is responsible for leaving the PALS for at least 10 years. There have not been any maintenance obligations with the previous SRFB funding PALS projects in Alpowa Creek. Meaning the structures are functioning as designed and there has been no maintenance to date on previous projects. Structures are designed such that they will largely be stable. In the event a structure is lost, we account for and anticipate a certain level of structure movement. Previous projects have handled flood flows well and of the few structures that have been lost, they're racked in other locations forming similar-sized log jams.

## Restoration Metrics

Worksite: Alpowa Instream PALS - Phase IV (#1)

Miles of Stream and/or Shoreline Treated or Protected (C.0.b)

0.



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Project Identified In a Plan or Watershed Assessment (C.0.c)

Northwest Marine Fisheries Service, 201  
ESA Recovery Plan for Snake River  
Spring/Summer Chinook Salmon  
(Oncorhynchus tshawytscha) & Snake River  
Basin Steelhead (Oncorhynchus mykiss)  
Portland, OR

Priority in Recovery Plan  
This project is identified as a top priority and located in a major spawning area for Steelhead and a priority restoration reach in the Snake River Salmon Recovery Plan

Type Of Monitoring (C.0.d.1)  
No

Monitoring Location (C.0.d.2)  
No monitoring completed

## INSTREAM HABITAT PROJECT

Total Miles Of Instream Habitat Treated (C.4.b)  
0.

### Channel structure placement (C.4.d.1)

Total cost for Channel structure placement  
\$80,3

Material Used For Channel Structure (C.4.d.2)  
Individual Logs (Unanchored)

Miles of Stream Treated for channel structure placement (C.4.d.3)  
0.

Pools Created through channel structure placement (C.4.d.5)  
0.

Number of structures placed in channel (C.4.d.7)  
1

## CULTURAL RESOURCES

### Cultural resources

Total cost for Cultural resources  
\$3,0

Acres surveyed for cultural resources  
0.

## PERMITS

### Obtain permits

Total cost to Obtain permits  
\$1,0

Number of permits required for implementation of project

## ARCHITECTURAL & ENGINEERING

### Architectural & Engineering (A&E)

Total cost for Architectural & Engineering (A&E)  
\$4,0

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## Overall Project Metrics

### COMPLETION DATE

Projected date of completion

12/19/20

## Restoration Cost Estimates

### Worksite #1: Alpowa Instream PALS - Phase IV

Category	Work Type	Estimated Cost	Note
Cultural Resources	Cultural resources	\$3,000	
Instream Habitat Project	Channel structure placement (C.4.d.1)	\$80,300	
Permits	Obtain permits	\$1,000	
	Subtotal:	\$84,300	
Admin, Architecture, and Engineering		\$4,000	
	Total Estimate For Worksite:	\$88,300	

### Summary

Total Estimated Costs Without AA&E:	\$84,300
Total Estimated AA&E:	\$4,000
Total Estimated Restoration Costs:	\$88,300

## Cost Summary

	Estimated Cost	Project %	Admin/AA&E %
<u>Restoration Costs</u>			
Restoration	\$84,300		
Admin, Architecture, and Engineering	\$4,000		4.74 %
SUBTOTAL	\$88,300	100.00 %	
Total Cost Estimate	\$88,300	100.00 %	

## Funding Request and Match

### FUNDING PROGRAM

Salmon State Projects	\$75,000	84.937712 %
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### SPONSOR MATCH

Other In-Kind Contributions	Sponsor Materials	
Amount		\$13,300.00
Funding Organization		Pomeroy Conservation Distr
	Match Total:	\$13,30015.062288 %
	Total Funding Request (Funding + Match):	\$88,300100.000000 %

## Questions

#1: Explain how you determined the cost estimates

From the 1,200 previous PALS installed on Alpowa Creek, we believe we can accomplish at least 100 PALS with this request.



## Cultural Resources

### Cultural Resource Areas

#### Worksite #1: Alpowa Instream PALS - Phase IV

##### Area: Alpowa PALS Phase IV

- #1: Provide a description of the project actions at this worksite (acquisition, development and/or restoration activities that will occur as a part of this project)

Restoration action on .65 miles of mainstem Alpowa Creek with 100 PALS being hand-placed.

- #2: Describe all ground disturbing activities (length, width and depth of disturbance and equipment utilized) that will take place in the Area of Potential Effect (APE). Include the location of any construction staging or access roads associated with your project that will involve ground disturbance.

There will be minimal ground disturbance with PALS installation. We will have a staging area where the conifer trees from the USFS will be unloaded by hand and placed in piles of 4. We will use a rope and tie the trees up and pull them to the individual PALS locations. Trees will be hauled by hand and placed into the stream. Using a hydraulic post pounder run off a generator and power pack the wooden posts will be driven 3 to 4 feet into the streambed below the ordinary high water mark.

- #3: Describe any planned ground disturbing pre-construction/restoration work. This includes geo-technical investigation, fencing, demolition, decommissioning roads, etc.

N/A

- #4: Describe the existing project area conditions. The description should include existing conditions, current and historic land uses and previous excavation/fill (if depths and extent is known, please describe).

The project is taking place along a riparian pasture and there is limited grazing and some farming activities.

- #5: Will a federal permit be required to complete the scope of work on the project areas located within this worksite?  
No

- #6: Are you utilizing Federal Funding to complete the scope of work? This includes funds that are being shown as match or not.  
Yes

#6a: Please list the federal agency and funding sources.

USFS Pomeroy Ranger District is donating the trees for the PALS structures

#6b: Does the federal funding you are utilizing as match require you to receive state funding?

I believe so

- #7: Do you have knowledge of any previous cultural resource review within the project boundaries during the past 10 years?  
Unknown

- #8: Is the worksite located within an existing park, wildlife refuge, natural area preserve, or other recreation or habitat site?  
No

- #9: Are there any structures over 45 years of age within this worksite? This includes structures such as buildings, tidegates, dikes, residential structures, bridges, rail grades, park infrastructure, etc.  
No

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### Project Permits

Permits and Reviews	Issuing Organization	Applied Date	Received Date	Expiration Date	Permit #
Archaeological & Cultural Resources (EO 21-02)	DAHP				
Hydraulics Project Approval [HPA]	Dept of Fish & Wildlife				
Water Quality Certification [Section 401]	County/Dept of Ecy.				

### Permit Questions

#1: Are you planning on using the federal permit streamlining process? [Limit 8](#)  
Yes

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## Attachments

### Required Attachments

6 out of 6 done

Applicant Resolution/Authorizations	✓
Cost Estimate	✓
Landowner acknowledgement form	✓
Map: Restoration Worksite	✓
Photo	✓
RCO Fiscal Data Collection Sheet	✓

### PHOTOS (JPG, GIF)

Photos (JPG, GIF)



# 550818    # 550819

### PROJECT DOCUMENTS AND PHOTOS

Project Documents and Photos

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Sh:
	03/27/2023	Project partnership form	SAL-ProjPartnerContributionForm23-1020.pdf	BradleyJ	SAL-ProjPartnerContributionForm23-1020.pdf, 555566	✓
	03/15/2023	Applicant Resolution/Authorizations	ApplicantAuthorizationResolution23-1020.pdf	BradleyJ	ApplicantAuthorizationResolution23-1020.pdf, 554561	✓
	03/07/2023	Landowner acknowledgement form	LandownerAckForm23-1020.pdf	BradleyJ	LandownerAckForm23-1020.pdf, 553944	
	03/03/2023	RCO Fiscal Data Collection Sheet	RCO data collection sheet.pdf	BradleyJ	RCO data collection sheet.pdf, 553808	
	03/03/2023	Cost Estimate	AlpowaPALSPHaseIV23-1020.xlsx	BradleyJ	AlpowaPALSPHaseIV23-1020.xlsx, 553765	✓
	03/03/2023	Design document	BDAs and PALS_specs_USDA.pdf.PDF (1).PDF (1).PDF	BradleyJ	BDAs and PALS_specs_USDA.pdf.PDF (1).PDF (1).pdf, 553764	✓
	02/06/2023	Photo	IMG_2024-2.jpg	BradleyJ	IMG_2024-2.jpg, 550819	✓
	02/06/2023	Photo	IMG_2024-1.jpg	BradleyJ	IMG_2024-1.jpg, 550818	✓
	02/02/2023	Map: Restoration Worksite	Alpowa_PALS.pdf	BradleyJ	Alpowa_PALS.pdf, 550451	✓
	01/12/2023	Project Review Comments	Project Review Comments Report, 23-1020R (01/12/23 08:14:01)	BrentH	Project Review Comments Report - 23-1020 (01-12-2023_08-14-01).pdf, 547738	✓
	01/12/2023	Project Application Report	Project Application Report, 23-1020R (01/12/23 08:14:01)	BrentH	Project Application Report - 23-1020 (01-12-2023_08-14-01).pdf, 547737	✓
	01/12/2023	Project Review Comments	Project Review Comments Report, 23-1020C (01/12/23 08:13:16)	BrentH	Project Review Comments Report - 23-1020 (01-12-2023_08-13-16).pdf, 547735	✓
	01/12/2023	Project Application Report	Project Application Report, 23-1020C (01/12/23 08:12:24)	BrentH	Project Application Report - 23-1020 (01-12-2023_08-12-24).pdf, 547734	✓

## Application Status

Application Due Date: 06/27/2023

Status Name	Status Date	Submitted By	Submission Notes
Application Submitted	04/12/2023	Lance Frederick	
Preapplication	01/09/2023		

I certify that to the best of my knowledge, the information in this application is true and correct. Further, all application requirements due on the application due date have been fully completed to the best of my ability. I understand that if this application is found to be incomplete, it will be rejected by RCO. I understand that I may be required to submit additional

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documents before evaluation or approval of this project and I agree to provide them. (Lance Frederick, 04/12/2023)

Date of last change: 04/12/2023